

PATENT CLAIMS

1. A contact (1) for a plug or socket of a quick-connect plug connection, the contact (1) being held mounted in a contact holder (2) having a region for press-fit gripping a conductor, a wire holder (7) having at least one wire seat (7.1) for the end of a wire and the contact (1) engages the wire in the wire seat (7.1), characterized in that the contact (1) has at least two press-fit arms (1.4) of curved and/or polygonal section that contact the wire generally axially.

2. The contact (1) according to claim 1, characterized in that the press-fit arms (1.4) have an annularly segmental or circular section.

3. The contact (1) according to claim 1 or 2, characterized in that the press-fit arms (1) are of elliptical section.

4. The contact (1) according to one of claims 1 to 3, characterized in that the press-fit arms (1.4) are of L-section.

5. The contact (1) according to one of claims 1 to 4, characterized in that the press-fit arms (1.4) are of U- or C-section.

6. The contact (1) according to one of claims 1 to 5, characterized in that the press-fit arms (1.4) are at least partially nonmovably fixed in the wire holder (7).

5 7. The contact (1) according to one of the preceding claims, characterized in that the wire seats (7.1) taper at one end via a deflecting bevel (7.4) to such a cross section that the end of the wire is cut into by the press-fit arms (1.4).

10 8. The contact (1) according to one of the preceding claims, characterized in that a press-fit slot (1.5) extends generally axially of the plug or socket.

9. The contact (1) according to one of the preceding claims, characterized in that a press-fit slot (1.5) between two press-fit arms (1.4) is of generally uniform width and/or at least partially is of increasing and/or decreasing width.

15 10. The contact (1) according to one of the preceding claims, characterized in that the wire seats (7.1) have means that work together with the deflecting bevel (7.4) and with each other so that the wires are deflected from their axial orientation when fitted into the wire seats (7.1).

20 11. The contact (1) according to claim 10, characterized in that the means is projections or ribs that are offset relative

to one another and relative to the deflecting bevel (7.4) axially or angularly on the wall surface of the wire seat (7.1).

12. The contact (1) according to claim 11, characterized in that the transverse projection of the deflecting bevel (7.4) of the shoulder (7.6) and the means are so shaped and dimensioned that they do not overcut one another.

13. The contact (1) according to one of the preceding claims, characterized in that the wire seat (7.1) has an abutment shoulder (7.6).

14. The contact (1) according to one of the preceding claims, characterized in that the wire seat (7.1) has an enlargement (opening 7.5.1) in the region where the press fit takes place.

15. The contact (1) according to one of the preceding claims, characterized in that the wire seat (7.1) has an enlargement in the region where the wire is inserted.

16. The contact (1) according to one of the preceding claims, characterized in that the wire holder (7) has a plurality of the wire seats (7.1), with a central wire seat (7.1) and a plurality of wire seats (7.1) arrayed symmetrically around it.

17. The contact (1) according to one of the preceding claims, characterized in that the wire holder (7) has a plurality of wire seats (7.1) arrayed symmetrically around its longitudinal axis.